

21

**Notice of Allowability**

Application No.

10/551,463

Examiner

Tho G. Phan

Applicant(s)

KURODA ET AL.

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a response filed on 1/31/07.
2. ☒ The allowed claim(s) is/are 1-4 and 6-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 12/15/06,10/26/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Tho G Phan  
Primary Examiner  
Art Unit: 2821

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. The following is a statement of reasons for the indication of allowable subject matter:

Claim 1 is allowable over the art of record because the prior art does not teach the holder of the arm can be turned about an axis that is a perpendicular line passing the center of the lens when the reflector is attached to its installation position in a substantially perpendicular manner with respect to the ground surface, and wherein the primary feed can be moved along the surface of the lens, on a plane that is perpendicular to the axis passing the center of the lens and on a semicircle centering the axis, and with the remaining claimed limitations.

2. Claim 2 is allowable over the art of record because the prior art does not teach the holder of the arm can be turned about an axis that is a line passing the center of the lens and inclined 20 degree toward the inclining direction of the reflector when the reflector is installed at its installation position with an angle of 0 degree inclined from the perpendicular condition with respect to the ground surface, and wherein the primary feed can be moved along the surface of the lens, on a plane that is perpendicular to the axis passing the center of the lens, and on a semicircle centering the axis, and with the remaining claimed limitations.

3. Claim 4 is allowable over the art of record because the prior art does not teach a reflector support mast to be fixed to a fixing structure in a substantially perpendicular manner with respect to the ground surface, all of which are unitarily assembled together, wherein the reflector is mounted to the mast such that the reflector can be turned about the mast as a fulcrum, whereby the azimuth angle of the antenna can be adjusted, and with the remaining claimed limitations.

4. Claim 6 is allowable over the art of record because the prior art does not teach the holder of the first arm can be turned about an axis that is a perpendicular line passing the center of the lens when the reflector is attached to its installation position in a substantially perpendicular manner with respect to the ground surface, the first arm enabling a primary feed to move along the surface of the lens, on a plane that is perpendicular to the axis passing the center of the lens, and on a semicircle centering the axis, and with the remaining claimed limitations.

5. Claim 7 is allowable over the art of record because the prior art does not teach the holder of the first arm can be turned about an axis that is a perpendicular line passing the center of the lens when the reflector is attached to its installation position in a substantially perpendicular manner with respect to the ground surface, and an n-th primary feed out of primary feeds to be arranged in the focus part of the lens is held by a first arm such that the n-th primary feed can be moved along the surface of the lens, on a plane perpendicular to an axis passing the center of the lens, and on a semicircle centering the axis, and with the remaining claimed limitations.

6. Claim 8 is allowable over the art of record because the prior art does not teach a first reflector having a size larger than the lens diameter and to be provided on a face equivalent to the cross-section made by halving a globular shape of the lens, a primary feed to be arranged at the focus part of the lens, wherein the first reflector can be turned, within the same plane, about an axis at the center of the lens and with the remaining claimed limitations.

7. Claim 9 is allowable over the art of record because the prior art does not teach wherein the first reflector out of a plurality of reflectors holds the arm, and the other reflectors are attached to the first reflector such that the first reflector and the other reflectors are combined together in a mutually turnable manner and with the remaining claimed limitations.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho G. Phan whose telephone number is 571-272-1826. The examiner can normally be reached on M-F, 9:30-6:00.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tho G Phan  
Primary Examiner  
Art Unit 2821